

15 device at a time, and the centralized system administrator interface
16 communicating with a server of a centralized network environment.

1 9. The system of claim 8 wherein the end user interaction system
2 comprises a printer driver of the personal computer.

1 10. The system of claim 8 wherein the workgroup administrator
2 interface comprises an embedded web server of the computer peripheral device.

1 11. The system of claim 8 wherein the centralized system
2 administrator interface comprises a network management application usable by
3 a network administrator.

1 12. The system of claim 8 wherein the end user interaction system
2 is provided within a single-connection environment comprising the personal
3 computer communicating with the computer peripheral device via a bus, and
4 wherein a single user has dedicated access to the personal computer.

1 13. The system of claim 8 wherein the workgroup administrative
2 interface comprises an embedded web server within the computer peripheral
3 device, and wherein the embedded web server comprises an interface for the
4 order-assistance system.

1 14. The system of claim 8 wherein the centralized system
2 administrator interface comprises a centralized order-assistance tool, and
3 wherein the centralized order-assistance tool is provided within a centralized
4 network environment having a server.

1 15. The system of claim 8 wherein the computer peripheral device
2 comprises an embedded web server, the personal computer and the computer
3 peripheral device are provided within an unmanaged network environment, and

4 the embedded web server initiates ordering of a consumable in response to a
5 detected need to replenish the consumable.

1 16. A method of providing order assistance, comprising:
2 providing a computer peripheral device, a personal computer having a
3 communication link with a provider of a consumable, a messaging system
4 extending between the computer peripheral device and the personal computer,
5 and a user interaction site;
6 determining an environment in which the computer peripheral device
7 and the personal computer are provided by detecting the presence of a parallel
8 cable or the presence of a network environment;
9 for the case where the presence of a network environment is
10 detected, further broadcasting a discovery protocol to detect the presence of a
11 centralized order-assistance solution; and
12 based on the determined environment, providing the user interaction
13 site in the form of: a user interface when the network environment comprises a
14 single-connection environment; an embedded web server when the network
15 environment comprises an unmanaged network environment; and a centralized
16 system administrator interface when the network environment comprises a
17 server-based, centralized network environment.

1 17. The method of claim 16 wherein, when the presence of a
2 parallel cable is detected, the network environment is determined to be a single-
3 connection environment, the computer peripheral device interacts at an end user
4 level.

1 18. The method of claim 16 wherein the network environment
2 comprises a single-connection environment, the user interface site comprises an
3 interface to a consumable order assistance computer program resident on the
4 personal computer, and the program provides an order location to a user for
5 purchasing a consumable.

